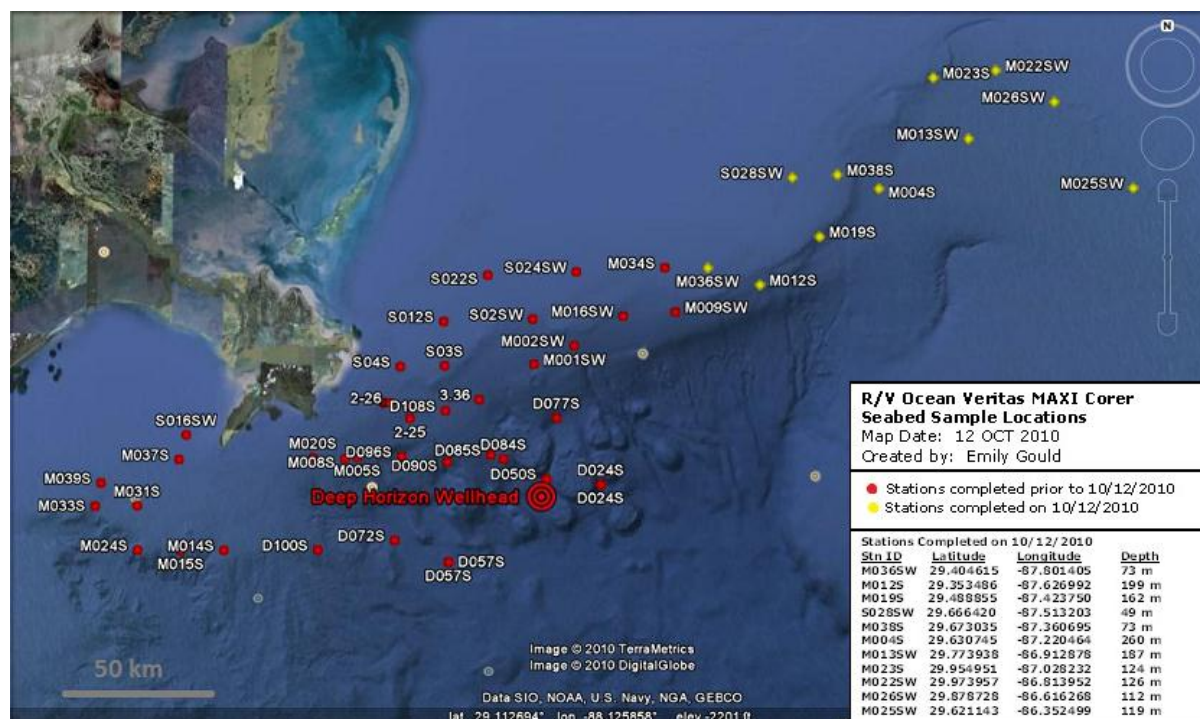


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	12
Operating equipment	MAXI Corer (8 core unit)
Date	12 October 2010
Completed casts (12 hr)	11
Report compiled by	Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore. Collection of hydrocarbon archive samples (0-3cm) from VA cores was resumed.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station M036SW**Lat:** 29.404615**Long:** -87.801405

Cores recovered: 0 of 8

Note: 2nd cast, little recovery. Multi-core unit unable to hold sandy sediment. Visual assessment not taken.

Station M012S

Lat: 29.353486

Long: 87.626992

Cores recovered: 8 of 8

Supernatant water

Recovery: 31 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 29 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M019S

Lat: 29.488855

Long: -87.423750

Cores recovered: 8 of 8

Supernatant water

Recovery: 31 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 29 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft, homogenous silty clay, becoming soft.

Biota: Crab, polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station S028SW

Lat: 29.666420

Long: -87.513203

Cores recovered: 2 of 8

Supernatant water

Recovery: 53 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 7 cm

Visible contamination: None

Olfactible contamination: None

Description: Black, very soft, homogenous sand.

Biota: None.



Station M038S**Lat:** 29.673035**Long:** -87.360645

Cores recovered: 0 of 8

Note: 3RD cast, little recovery. Multi-core unit unable to hold sandy sediment. Visual assessment not taken.

Station M004S

Lat: 29.630745

Long: -87.220464

Cores recovered: 7 of 8

Supernatant water

Recovery: 21 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 39 cm

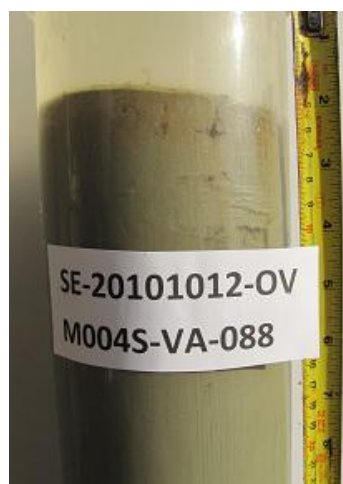
Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft, homogenous sandy silt, becoming soft.

Biota: Polychaetes, sea urchin shell.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M013SW

Lat: 29.773938

Long: -86.912878

Cores recovered: 8 of 8

Supernatant water

Recovery: 32 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 28 cm

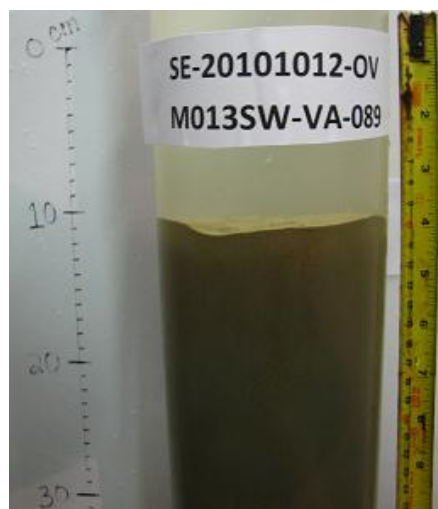
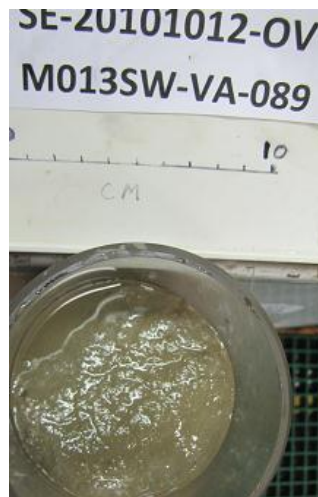
Visible contamination: None

Olfactible contamination: None

Description: Olive grey, very soft, homogenous sandy silt, becoming very stiff.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M023S

Lat: 29.954951

Long: -87.028232

Cores recovered: 8 of 8

Supernatant water

Recovery: 29 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 31 cm

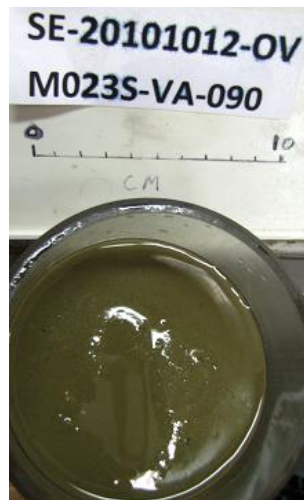
Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft, homogenous silty sand, becoming stiff.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M022SW

Lat: 29.973957

Long: -86.813952

Cores recovered: 8 of 8

Supernatant water

Recovery: 19 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 41 cm

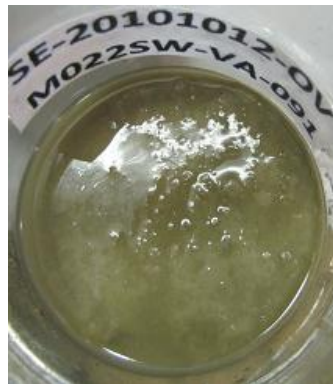
Visible contamination: None

Olfactible contamination: None

Description: Olive, very soft, homogenous silty clay, slowly becoming very stiff.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M026SW

Lat: 29.878728

Long: -86.616268

Cores recovered: 6 of 8

Supernatant water

Recovery: 31.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 28.5 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive grey, firm, homogenous silty sand, becoming very stiff.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station M025SW

Lat: 29.621143

Long: -86.352499

Cores recovered: 8 of 8

Supernatant water

Recovery: 38 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 22 cm

Visible contamination: None

Olfactible contamination: None

Description: Top 3cm olive, very soft, homogenous silty clay, becoming stiff.

Biota: None.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

